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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/815,151	03/31/2004	Kazuyoshi Honda	10873.1412US01	8205
53148 7590 12/20/2007 HAMRE, SCHUMANN, MUELLER & LARSON P.C. P.O. BOX 2902-0902			EXAMINER	
			MARTIN, ANGELA J	
MINNEAPOLI	IS, MN 55402		ART UNIT PAPER NUMBER	
			1795	
			MAIL DATE	DELIVERY MODE
			12/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)				
Office Action Summary		10/815,151	HONDA ET AL.				
		Examiner	Art Unit				
		Angela J. Martin	1795				
	The MAILING DATE of this communication app	!	orrespondence address				
Period for Reply							
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAnsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION B6(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from to cause the application to become AB ANDONE	l. ely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 22 Oc	<u>ctober 2007</u> .					
2a) <u></u> □	This action is FINAL. 2b)⊠ This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims						
4) 🖾	4)⊠ Claim(s) <u>1-5 and 30</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
·	5) Claim(s) is/are allowed.						
·) Claim(s) <u>1-5 and 30</u> is/are rejected.						
·	Claim(s) is/are objected to.	r alaction requirement					
ا∟(ە	Claim(s) are subject to restriction and/or	election requirement.					
Applicat	ion Papers						
9)[The specification is objected to by the Examine	r.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority t	under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:							
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
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Attachment(s)							
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da					
3) Infor	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5) Notice of Informal Pe					

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/22/07 has been entered.

Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 1, 2, 5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 4. The term "elongate" in claims 1, 2, 5 is a relative term which renders the claim indefinite. The term "elongate" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Arai et al., JP 11-345604 (machine translation).

Rejection of claims 1-4 drawn to an energy device.

Arai et al., teach an energy device comprising a winding body in which a band-shaped laminate (0008) having a flexible elongated substrate (0009), a negative collector, a solid electrolyte, a positive active material, and a positive collector in this order (0008) is wound in a plate shape with the flexible elongated substrate placed inside ("is wound in a plate shape" is a product-by-process. "[E]ven though product-by-process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process." *In re Thorpe*, 777 F.2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985)), wherein a cross-sectional shape of the winding body perpendicular to a winding axis includes portions at opposing ends of the cross-sectional shape with small radiuses of curvature and portions between the opposing ends of the

cross-sectional shape with large radiuses of curvature (Fig. 1). The energy device according to claim 1, wherein the flexible elongated substrate is made of an insulating material (0009, 0010; PET film). The energy device according to claim 1, further comprising a negative active material between the negative collector and the solid electrolyte (0009, 0010). The energy device according to claim 3, wherein a thickness of the negative active material is smaller than that of the positive active material (0010; anode = 50 um; cathode = 100 um).

Thus, the claims are anticipated.

Claim Rejections - 35 USC § 103

- 7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 8. Claims 5 and 30 rejected under 35 U.S.C. 103(a) as being unpatentable over Arai et al., JP 11-345604 (machine translation).

Arai et al., teach an energy device as described above.

Arai et al., do not teach energy device according to claim 1, wherein a minimum radius of an outer surface of the flexible elongated substrate is in a range of 5 times to 100 times a thickness of the band-shaped laminate excluding the flexible elongated substrate. It does not teach the ratio of the size in a horizontal direction to the size in a vertical direction for the plate shape is at least 5.

Art Unit: 1795

However, the invention as a whole would have been obvious to one having ordinary skill in the art at the time the invention was made because although the prior art of record does not teach the recited ranges and ratios, "mere scaling up of a prior art process capable of being scaled up, if such were the case, would not establish patentability in a claim to an old process so scaled, In re Rinehart, 531 F.2d 1048, 189 USPQ 143 (CCPA 1976)." 531 F.2d at 1053, 189 USPQ at 148.). In Gardner v. TEC Systems, Inc., 725 F.2d 1338, 220 USPQ 777 (Fed. Cir. 1984), cert. denied, 469 U.S. 830, 225 USPQ 232 (1984), the Federal Circuit held that, where the only difference between the prior art and the claims was a recitation of relative dimensions of the claimed device and a device having the claimed relative dimensions would not perform differently than the prior art device, the claimed device was not patentably distinct from the prior art device.

Response to Arguments

Applicant's arguments with respect to above claims have been considered but 9. are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela J. Martin whose telephone number is 571-272-1288. The examiner can normally be reached on Monday-Friday from 10:00 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AJM()